

180 181 180 181 180 181



FIG. 1A FIG. 1B FIG. 1C

I. Amplification primers

TGL 105: 5'-TTCTTCTTGCATCTATGTTCTG-3'

TGL 106: 5'-TTAAGCACCACCACAGGTCCT-3'

II. Polymorphism detection primers

TGL 182: 5'-GCCTTGGCGTTGTAGAA-3'

TGL 166: 5'-AGAGAAACAATTTCAAG-3'

III. Target sequence

5' ...TTTCTTCTTG CATCTATGTT CGTTTTTCT ATTGCTACAA 40
 TGL 105 ----->
 ATGCCTATGC ACGGCCTGAC TTCTGCCTAG AGCCTCCATA 80
 TACGGGTCCC TGCAAGGCCA GAATTATCAG ATA^C/TTTCTAC 120
 AACGCCAAGG CTGGGCTCTG CCAGACCTTT GTATATGGTG 160
 <----- TGL 182
 GCTGCAGAGC TAAGAGAAAC AATTTCAAG^A/G GCGCAGAGGA 200
 TGL 166 ----->
 CTGCATGAGG ACCTGTGGTG GTGCTTAAGG GCCCCCGGGAA..3'240
 <----- TGL 106

IV. Polymorphisms

<u>Plasmid</u>	<u>Nucleotide 114</u>	<u>Nucleotide 190</u>
p183	C	A
p624	T	A
p814	C	G

FIG.2

FIG.3

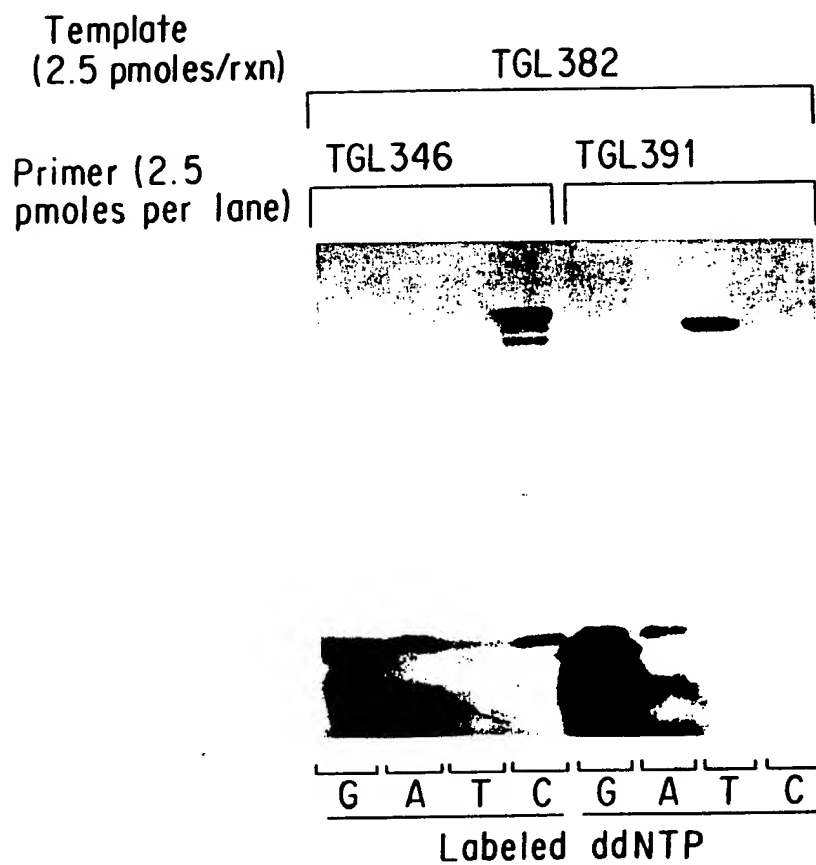
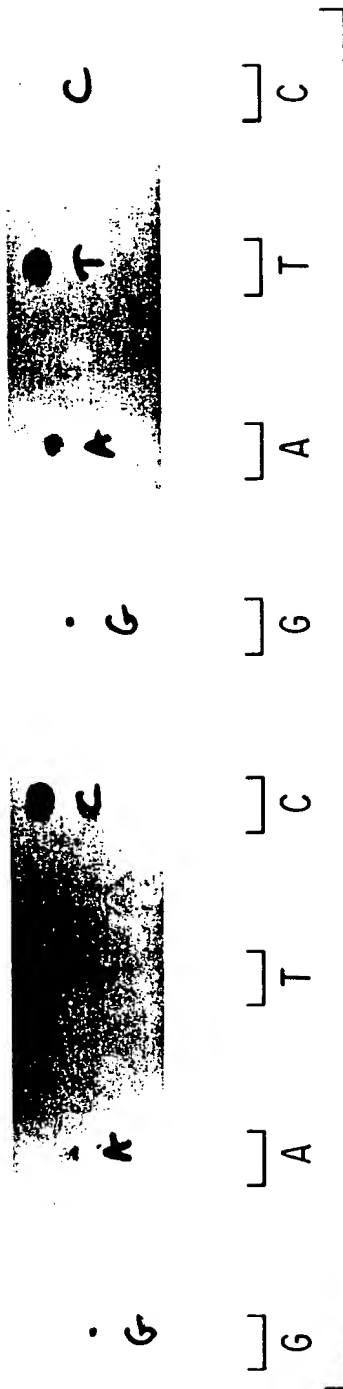


FIG.4

TEMPLATE: TGL 382 (2.5 pmoles/rxn)

PRIMER: **TGL346** (2.5 pmoles/rxn) PRIMER: **TGL391** (2.5 pmoles/rxn)



LABELED ddNTP

FIG.5

Attached to bead

5' AGATGATGCT TTTGTGCAA ACACTTTTTAA ACACCTCTTT TAAATTCTT TCAAAATTCT ACGGCATTTT
TGL240 (PCR Primer with Biotin)

TTTCCTGAAA ATGCTTCGGT TTTAGGTCAA AGCTTTATTC TCCTAAGAAC CTAACCTCCA CTGGTCTCAG

GGCCCTCTIC GGAGCCCTCG GGGAGTCTTT GCCCCCAAT CTGGCATTC TCCCCTGACA CTGCCCAAG

TGL308

5'

3' TGGTCCGT GGTCGCCAG ACTCCGA

GA

T C

GCCCTAACC TGCACCCGGG

CACCAGGCA CCACGGGTC TGAGGCTCA GCAGGAAGG CCTGCTCTCC

B allele differences

TGL239 (Non-biotinylated PCR Primer)

3' GTCCAC AGCCCTGAGT CCATAACT 5'

GTTCACTG CTTTCAGGC CGCAGGGTG TCGGACTCA GGTATTGA 3'

FIG.6

FIG. 7

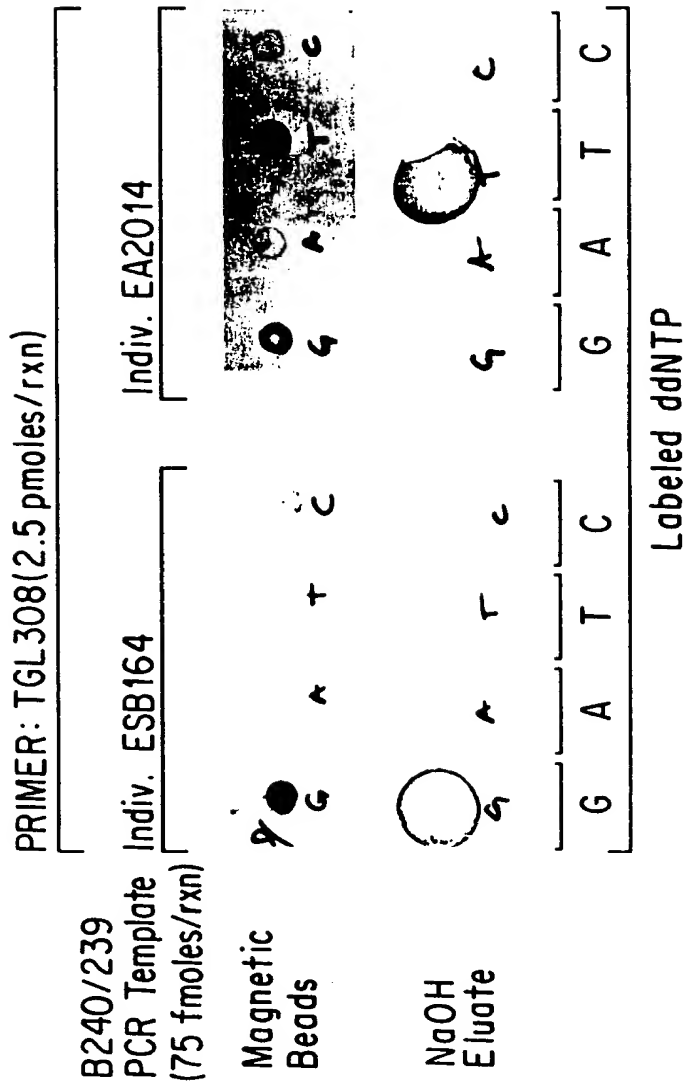


FIG.8